

L Number	Hits	Search Text	DB	Time stamp
1	10	index adj generat\$5 same (video\$1 (still moving) near5 (image\$1 picture\$1)) same (real adj time live dynamic\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/05/17 10:46
2	14	index adj generat\$5 same (video\$1 (still moving) near5 (image\$1 picture\$1)) same (event\$1 action\$1 occurrence\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/05/17 10:48

PAT-NO: JP02001143451A  
DOCUMENT- JP 2001143451 A  
IDENTIFIER:  
TITLE: AUTOMATIC INDEX GENERATING DEVICE AND  
AUTOMATIC INDEX APPLYING DEVICE  
PUBN-DATE: May 25, 2001

## INVENTOR-INFORMATION:

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APPL-NO: JP11326445  
APPL-DATE: November 17, 1999

INT-CL G11B027/10 , G06F017/30 , G10L011/02 ,  
(IPC): G10L015/04 , G10L015/10 , G10L015/00 ,  
G11B027/36 , H04N005/91

## ABSTRACT:

PROBLEM TO BE SOLVED: To solve the problem in which an automatic index generating device suited to a purpose does not exist conventionally, even though efficient retrieval is enabled in the case of producing or secondarily utilizing a digest program by automatically generating and applying an index to be shown in the excited part of video of a sports event or the like.

SOLUTION: This device is provided with respective analysis parts 2 and 3 for analyzing the power level and frequency of audio data, respective feature extracting

parts 4 and 5 for extracting features from the respective power level and frequency and a part 6 for generating/outputting the index from the provided features.

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**PAT-NO:** JP02002297630A  
**DOCUMENT-IDENTIFIER:** JP 2002297630 A  
**TITLE:** METHOD AND DEVICE FOR INDEX GENERATION,  
INDEX ADDITION SYSTEM, PROGRAM, AND STORAGE  
MEDIUM  
**PUBN-DATE:** October 11, 2002

**INVENTOR-INFORMATION:**

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**APPL-NO:** JP2001098409  
**APPL-DATE:** March 30, 2001

**INT-CL (IPC):** G06F017/30 , H04N007/173

**ABSTRACT:**

**PROBLEM TO BE SOLVED:** To add an index which matches user's interest and preference and is usable to generate a shorter digest.

**SOLUTION:** The index generating device which generates an index as data wherein the contents of video are described is equipped with an index description device 51 which previously defines index basic information 61 as information regarding the index, an input video display device 52 which displays out the contents where the index is added, a trigger action input device 53 which receives

an input to a trigger action in the displayed-outputted contents, and an index decision device 54 which generates index information 63 according to the index basic information 61 defined by the index description device 51 and the trigger action input history information 62 inputted by the trigger action input device 53.

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WEEK:

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**TITLE:** Automatic index generation device for television broadcast, generates index of event in television program, when pattern of each image obtained by video camera matches with predetermined image pattern

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**Title - TIX (1) :**

Automatic index generation device for television broadcast, generates index of event in television program, when pattern of each image obtained by video camera matches with predetermined image pattern

**Standard Title Terms - TTX (1) :**

AUTOMATIC INDEX GENERATE DEVICE TELEVISION BROADCAST  
GENERATE INDEX EVENT TELEVISION PROGRAM PATTERN IMAGE  
OBTAIN VIDEO CAMERA MATCH PREDETERMINED IMAGE PATTERN